







# SOLAR SMD LED HYBRID GARDEN LIGHT 70W LOOX

## OVERVIEW

The Solar LED Hybrid Garden Light is a modern and energy-efficient outdoor lighting solution designed for parks, pathways, communities, and public areas. It features an integrated structure with excellent heat dissipation and durable die-cast aluminum construction for long-lasting performance. Equipped with high-quality LED chips and a monocrystalline solar panel, it ensures reliable illumination with intelligent energy management. The advanced control system includes time control, light sensor, and motion sensor functions for optimized power saving. With its weather-resistant design, it provides dependable lighting throughout the year

## PRODUCT VARIANTS & TECHNICAL DATA

| Code | Type / Description | Wattage(W) | Total Luminous Flux(lm) | Luminous Efficacy(lm/W) | Power Factor(pf) | Beam Angle | CRI (Ra) | IP Rating |
|---|---|---|---|---|---|---|---|---|
| LSD1HB00704 | 4000K, إضاءة طاقة شمسية | 70W | 11200 | 160 | >0.9 | 100° | >80 | 65 |

## TECHNICAL INFORMATION

| | |
|---|---|
| **Frequency** | 60/50 |
| **IK** | |
| **SDCM** | >6 |
| **Product Face Size (mm)** | 530x530x146 |
| **Product Weight (gr)** | 800 |
| **Surge Protection** | |
| **Life time** | 50000 |
| **Protection class** | |
| **Ambient temperature(Ta)** | -10°C to +45°C |
| **Operating temperature** | -10°C to +45°C |

## SOLAR PANEL DATA

| | |
|---|---|
| **Wattage** | 70 |
| **Solar Panel Voltage** | 18 |
| **Panel Size** | |
| **Material** | Die Casting Aluminum |

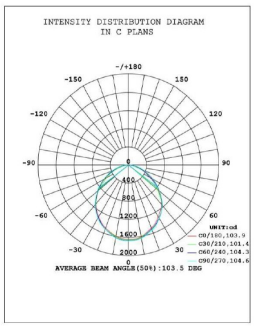
## BATTERY DATA

| | |
|---|---|
| **Battery Type** | 18650 LiFePO4 12.8V 30Ah |
| **Battery Nominal Voltage** | |
| **Battery Capacity** | |
| **Charging Time** | every 3 months during the storage process |
| **Working Time** | >12 hours ,Intelligent mode 3-4 days |

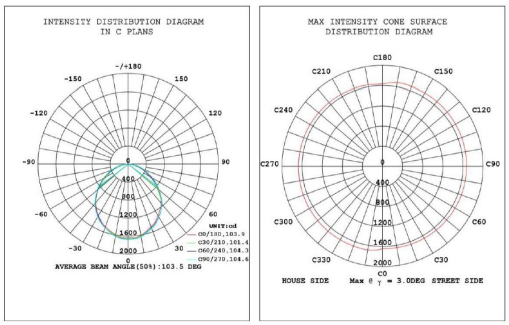
## CONTROL SYSTEM DATA

| | |
|---|---|
| **Control Method** | MPPT tracking control technology |
| **Sensor Type** | Time control + Light sensor control + Motion sensor control |

## PHOTOMETRIC DIAGRAMS

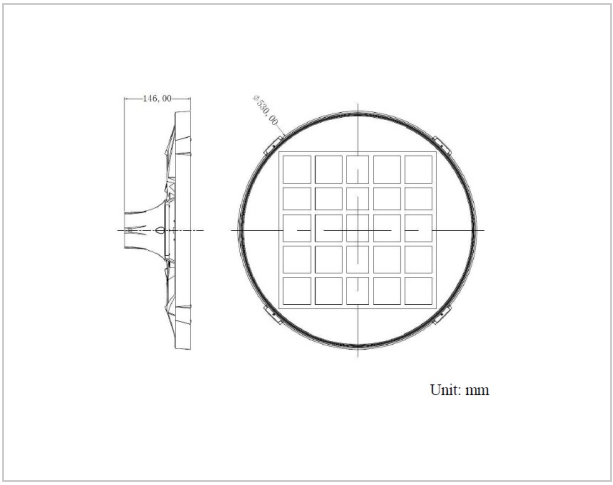



*Chromaticity / CCT diagram*




*Beam angle / polar diagram*

## DIMENSION DRAWINGS



## GENERAL INFORMATION

| | |
|---|---|
| **Mounting Type** | Pole |
| **Product Materials** | Die Casting Aluminum |
| **Driver Brand** | |
| **Chip Brand** | Philips 3030 |
| **Operation Distance** | 3-5 |

## APPLICATION AREAS

- Out Door Spaces
- Park and Public Areas
- Commercial Buildings
- Farmhouses and Outdoor Yards

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